

GENSET (without alternator)

J612 - J02

Project Name	Politecnico di Milano
J- Number	T132
created by	Joachim Mörl / O&R Team
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Symbol Picture

Crankshaft	Overhauled - Remachined (Undersize dimension at main and con rod pin possible)
Crankcase	Overhauled - Remachined (Oversize dimension at main bore & liner bore possible)
Main Bearings	NEW <i>size aligned to shaft & block dimensions</i>
Cylinder Liners	NEW <i>size aligned to liner bore dimension</i>
Scraper Rings	NEW
Pistons	NEW <i>Type Steel Piston ε=12 inclusive Piston Pin & Rings</i>
Piston Cooling Nozzles	Overhauled
Connecting Rods	NEW
Connecting Rod Bearings	NEW <i>size aligned to shaft dimensions</i>
Camshaft	NEW <i>Type EIVC47</i>
Camshaft pick up	NEW
Cam Followers	NEW
Cylinderheads	Overhauled - F-Design (with Oversize seat rings and valve guides possible)
Prechambers	NEW
Cylinderhead Gaskets	NEW
Rockers	Overhauled
Push Rods	Overhauled
Spark Plugs	NEW <i>Type P611</i>
Gear Drive	Overhauled
Gear Drive Bearings	NEW
Flywheel	Overhauled
Vibration Damper	NEW
Oil Pump with regulation valve	Overhauled
Oil Filter cartridge	NEW
Oil Sump	Overhauled
Fuel gas / jacket water rail	Overhauled
Prechamber gas valves	Overhauled
Prechamber gas valve feed lines	NEW
Actuator	Overhauled <i>Type Heinzmann StG40 / inclusive cable</i>
Console with Throttle	Overhauled
Gas Mixer	Overhauled <i>Type 3K mixer design</i>
Intercooler	NEW
Flame Arrester	NEW
Thermocouples	NEW
Pressure Transducer	NEW
Pickups	NEW
Ignition System	NEW <i>Type MORIS inclusive cable</i>
Knocking Control System	NEW <i>Type SAFI inclusive cable</i>

Overhaul Repair Team
Scope Description

Starters	NEW* - Type Bosch HEP
Exhaust Gas Manifold	NEW
Exhaust Gas Manifold Insulation	NEW
Turbochargers	Overhauled - Type ABB "Utex" A136-H65
Turbo Bypass Valve	NEW
Compensator after Turbos	NEW
Scavenging air flap	Overhauled
Air Filter System	Overhauled
Air Filter Inserts	NEW
Blowby System	NEW* <i>Type 6 Generation 3 with exchangeable cartridges</i>
Blowby Filter Inserts	NEW
Rubber tracks engine	NEW
Rubber tracks alternator	NEW <i>delivered as spare part</i>
Coupling element	NEW <i>delivered as spare part</i>
Sylomers Stripes	NEW <i>delivered as spare part</i>
Safety valves & Amot inserts	NEW
Preheating pump & heater element	NEW
Oil level controller	Overhauled
Pre-Lubrication pump	Overhauled
Complete Wiring	Check'n change - condition based replacement
Interface cabinet	Overhauled
Plate heat exchanger Oil/Water	Overhauled at supplier
Plate heat exchanger Engine/Water	Overhauled at supplier
Alternator	not included
Flexible Tubes	NEW
Gaskets & O-Rings	NEW

Additional Services

Unit Test Run with Test-alternator (with protocol)
Type plate with over-/undersize information
Preservation
Lifting Lugs installed
Painting (cleaned & recoated)
Updated spare parts list, wiring diagramm & software in digital form

Not included

Spare parts & local services
Gaskets & sealing elements for onsite connection
TecJet

**Non JENBACHER standard scope*

ABB UTEX explanation

ABB customized Service exchange program for Jenbacher gas engines

*Delivered turbocharger has exactly the same warranty period like a new turbocharger
SIKO relevant parts (SIKO= "SicherheitsKOnzept" / security concept) will be replaced by ABB genuine spare parts (incl. Compressor wheel and shaft).
All other components will be checked closely according to ABB working instructions. Technical irreproachable parts will be reused and are included in the mentioned warranty period, equal to new turbocharger.
Due to the fact, that UTEX is a service product and therefore the amount of turbochargers in the field is still the same, UTEX turbochargers are delivered without changing the serial number.
UTEX turbochargers are special product for INNIO Jenbacher Repairshop in Jenbach and are subject to usual Terms and Conditions.*